

# Hesham G Abdelwahed

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1545396/publications.pdf>

Version: 2024-02-01

51  
papers

630  
citations

567281

15  
h-index

677142

22  
g-index

51  
all docs

51  
docs citations

51  
times ranked

211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Some solutions for a stochastic NLSE in the unstable and higher order dispersive environments. Results in Physics, 2022, 34, 105242.	4.1	23
2	Characteristics of stochastic Langmuir wave structures in presence of It $\tilde{A}$ ' sense. Results in Physics, 2022, 37, 105435.	4.1	10
3	The nonextensive effects on the supersoliton structure in critical plasma state. Chinese Journal of Physics, 2022, 77, 1987-1996.	3.9	2
4	Modulations of some physical parameters in a nonlinear Schr $\tilde{A}$ rdinger type equation in fiber communications. Results in Physics, 2022, 38, 105548.	4.1	5
5	On the physical nonlinear (n $\tilde{A}$ 4<1)-dimensional Schr $\tilde{A}$ rdinger equation applications. Results in Physics, 2021, 21, 103798.	4.1	30
6	Role of electrons non-extensivity on the fully nonlinear dust-ion acoustic solitary waves. Physica Scripta, 2021, 96, 045209.	2.5	6
7	Positron nonextensivity contributions on the rational solitonic, periodic, dissipative structures for MKP equation described critical plasmas. Advances in Space Research, 2021, 67, 3260-3266.	2.6	5
8	Higher-order Kerr nonlinear and dispersion effects on fiber optics. Results in Physics, 2021, 26, 104268.	4.1	12
9	Electron and positron nonthermality effects on the formation of damped solitons in collisional multi-component plasmas. Chinese Journal of Physics, 2021, 72, 670-680.	3.9	1
10	Cylindrical shock potentials in nonextensive space plasmas. Indian Journal of Physics, 2021, 95, 515-521.	1.8	2
11	Propagation of shock wave of nitrogen gas in Titan stratosphere. Journal of Taibah University for Science, 2021, 15, 679-684.	2.5	0
12	Nonthermal effects on the cylindrical dusty ion shocks in nonthermal viscous space plasma. Advances in Space Research, 2020, 65, 684-692.	2.6	3
13	Effects of the ionic masses and positron density on the damped behavior in nonthermal collisional plasmas. Indian Journal of Physics, 2020, 95, 1909.	1.8	1
14	New super waveforms for modified Korteweg-de-Veries-equation. Results in Physics, 2020, 19, 103420.	4.1	9
15	Super electron acoustic propagations in critical plasma density. Journal of Taibah University for Science, 2020, 14, 1363-1368.	2.5	8
16	New nonlinear periodic, solitonic, dissipative waveforms for modified-Kadomstev-Petviashvili-equation in nonthermal positron plasma. Results in Physics, 2020, 19, 103393.	4.1	16
17	New Soliton Applications in Earth's Magnetotail Plasma at Critical Densities. Frontiers in Physics, 2020, 8, .	2.1	5
18	Nonlinearity contributions on critical MKP equation. Journal of Taibah University for Science, 2020, 14, 777-782.	2.5	21

#	ARTICLE	IF	CITATIONS
19	On the positron superthermality and ionic masses contributions on the wave behaviour in collisional space plasma. <i>Advances in Space Research</i> , 2020, 66, 259-265.	2.6	7
20	Positron superthermality effects on the solitonic, dissipative, periodic waveforms for M-Kadomstev-Petviashvili-plasma-equation. <i>Physica Scripta</i> , 2020, 95, 105204.	2.5	13
21	Properties of Damped Cylindrical Solitons in Nonextensive Plasmas. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018, 73, 905-910.	1.5	1
22	Nonlinear dust-ion acoustic periodic travelling waves in a magnetized plasma with two temperature superthermal electrons and stationary charged dust grains. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	21
23	Higher-Order Corrections to Earth's Ionosphere Shocks. <i>Communications in Theoretical Physics</i> , 2017, 67, 90.	2.5	9
24	Modulated 3D electron-acoustic rogue waves in magnetized plasma with nonthermal electrons. <i>Astrophysics and Space Science</i> , 2017, 362, 1.	1.4	8
25	On the Time Fractional Modulation for Electron Acoustic Shock Waves*. <i>Chinese Physics Letters</i> , 2017, 34, 035202.	3.3	11
26	On the ion acoustic obliquely propagation in magnetized inhomogeneous plasmas. <i>Advances in Space Research</i> , 2017, 59, 1008-1013.	2.6	10
27	On the modulation of ionic velocity in electron-positron-ion plasmas. <i>Journal of Taibah University for Science</i> , 2017, 11, 1267-1274.	2.5	13
28	Cylindrical electron acoustic solitons for modified time-fractional nonlinear equation. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	6
29	Modified electron acoustic field and energy applied to observation data. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	8
30	On Time-Fractional Cylindrical Nonlinear Equation. <i>Chinese Physics Letters</i> , 2016, 33, 115201.	3.3	3
31	Compressive and rarefactive dressed solitons in plasma with nonthermal electrons and positrons. <i>Physics of Plasmas</i> , 2016, 23, 022306.	1.9	10
32	On the rogue wave propagation in ion pair superthermal plasma. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	40
33	Time fractional effect on ion acoustic shock waves in ion-pair plasma. <i>Journal of Experimental and Theoretical Physics</i> , 2016, 122, 1111-1116.	0.9	21
34	Rogue waves for Kadomstev-Petviashvili solutions in a warm dusty plasma with opposite polarity. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta)</i> , 2016, 61, 10.	1.0	10
35	Higher-order corrections to broadband electrostatic shock noise in auroral zone. <i>Physics of Plasmas</i> , 2015, 22, .	1.9	19
36	Nonlinear dust acoustic rogue waves in a two temperature charged dusty grains plasma. <i>Astrophysics and Space Science</i> , 2015, 359, 1.	1.4	14

#	ARTICLE	IF	CITATIONS
37	On the speed and shape of electron acoustic solitary waves. <i>Astrophysics and Space Science</i> , 2013, 344, 167-173.	1.4	6
38	Improved Speed and Shape of Ion-Acoustic Waves in a Warm Plasma. <i>Communications in Theoretical Physics</i> , 2013, 60, 445-452.	2.5	15
39	Dust-acoustic solitary waves in a dusty plasma with dust of opposite polarity and vortex-like ion distribution. <i>Journal of Plasma Physics</i> , 2013, 79, 859-865.	2.1	24
40	Contribution of Higher-Order Nonlinearity to obliquely electron-acoustic solitary waves in a magnetized auroral zone plasma. <i>Astrophysics and Space Science</i> , 2012, 341, 491-500.	1.4	14
41	Nonlinear Waveforms for Ion-Acoustic Waves in Weakly Relativistic Plasma of Warm Ion-Fluid and Isothermal Electrons. <i>Advances in Mathematical Physics</i> , 2012, 2012, 1-12.	0.8	0
42	Effect of nonthermality of electrons on the speed and shape of ion-acoustic solitary waves in a warm plasma. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	9
43	Pressure dependence of the electronic structure in Ge, GaP and InP semiconductors at room temperature. <i>Indian Journal of Physics</i> , 2012, 86, 363-369.	1.8	25
44	Dust Acoustic Solitary Waves in Saturn F-ring's Region. <i>Communications in Theoretical Physics</i> , 2011, 55, 143-150.	2.5	18
45	Dust acoustic shock waves in two temperatures charged dusty grains. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	12
46	Solitary solution and energy for the Kadomtsev-Petviashvili equation in two temperatures charged dusty grains. <i>Astrophysics and Space Science</i> , 2011, 332, 179-186.	1.4	33
47	Pressure response to electronic structures of bulk semiconductors at room temperature. <i>Physica B: Condensed Matter</i> , 2010, 405, 3709-3713.	2.7	26
48	Envelope ion-acoustic solitary waves in a plasma with positive-negative ions and nonthermal electrons. <i>Physics of Plasmas</i> , 2010, 17, .	1.9	47
49	Computational Solutions for the Korteweg-deVries Equation in Warm Plasma. <i>Computational Methods in Science and Technology</i> , 2010, 16, 13-18.	0.3	3
50	The Effect of Higher-Order Corrections on the Propagation of Nonlinear Dust-Acoustic Solitary Waves in a Dusty Plasma with Nonthermal Ions Distribution. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2008, 63, 261-272.	1.5	10
51	Effect of Higher-Order Corrections on the Propagation of Nonlinear Dust-Acoustic Solitary Waves in Mesospheric Dusty Plasmas. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2006, 61, 316-322.	1.5	10